

77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

April

29, 2010

Community Reinvestment Project of East Chicago 524 W Chicago Ave East Chicago, IN 46312

Subject: Soil sampling results for 4722 Alexander Ave

To whom it may concern:

In December 2009, U.S. Environmental Protection Agency (EPA) collected samples from many properties in your neighborhood in East Chicago, as part of an investigation of lead contamination in the area and the USS Lead Superfund Site. This letter contains the laboratory results for the soil collected from your property at 4722 Alexander Ave.

Soil samples from your yard contained the following concentrations of lead:

Location	Sample depth	Lead concentration (ppm)*
Front yard	0-6 inches	83.11
	6 -12 inches	76.68
	12 – 18 inches	84.18
	18 – 24 inches	45.31
Back yard	0-6 inches	421.84
	6 -12 inches	508.71
	12 – 18 inches	324.46
	18 – 24 inches	134.62
Drip Line	0-6 inches	206.36
Garden	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Play Area	0-6 inches	N/A
	6-12 inches	N/A
	12-18 inches	N/A
	18-24 inches	N/A

<sup>\*</sup> ppm: parts per million

N/A - Not Applicable

EPA collected a total of nine samples from the front yard, back yard, downspout discharges, drip lines, gardens, and/or play areas at your property. Five boreholes were made in the front and back yards at your property, and samples were taken from four different depths (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches). Samples from the same depth interval from each yard were mixed together to get a representative sample for that depth in each yard at your property. EPA also collected a shallow soil sample from the downspout discharges or drip lines where water flows off the roof and lands on the soil.

Soil samples were analyzed for lead using a field laboratory procedure.

EPA has developed screening levels for lead in soil which help us determine if a property should be further studied. Analytical results of soil samples from residential yards which show more than 400 parts per million (ppm) of lead may require some of the soil to be removed. One part per million is similar to four drops of ink in a 55-gallon barrel of water.

While EPA is completing those studies and developing a final cleanup plan, EPA will consider whether immediate cleanups on the most contaminated properties are required. During this time period, EPA will be evaluating whether immediate interim cleanup actions are required. As soon as we have developed a final cleanup plan, we will present it to you and the other East Chicago residents at public information sessions within the community. We hope to be able to present the final cleanup plan to you by early 2012, at the latest, though we will be conducting other public information sessions prior to that.

Included in this mailing is a guide for protecting your children and yourself from lead-contaminated soil. We encourage you and your family to follow the recommendations until a final cleanup takes place.

If you have any questions about this letter or the sampling results, I urge you to call me toll free at 1-800-621-8431 ext. 38983 or email me at berkoff.michael@epa.gov.

Sincerely,



## REGION5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

April 29, 2010

City of East Chicago 4920 Larkspur St East Chicago, IN 46312-3736

Subject: Soil sampling results for 4801 McCook Ave

To whom it may concern:

In December 2009, U.S. Environmental Protection Agency (EPA) collected samples from many properties in your neighborhood in East Chicago, as part of an investigation of lead contamination in the area and the USS Lead Superfund Site. This letter contains the laboratory results for the soil collected from your property at 4801 McCook Ave.

Soil samples from your yard contained the following concentrations of lead:

Location	Sample depth	Lead concentration (ppm)*
Front yard	0-6 inches	1018.72 (612)**
	6 -12 inches	417.75 (320)
	12 – 18 inches	368.8 (265)
	18 – 24 inches	80.36
Back yard	0-6 inches	185.05
	6 -12 inches	141.6
	12 – 18 inches	169.26
	18 – 24 inches	147.18
Drip Line	0-6 inches	N/A
Garden	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Play Area	0-6 inches	N/A
	6-12 inches	N/A
	12-18 inches	N/A
	18-24 inches	N/A

<sup>\*</sup> ppm: parts per million

N/A – Not Applicable

<sup>\*\*</sup> Additional lead analyses, conducted at a USEPA-approved laboratory, are shown in parentheses.

EPA collected a total of eight samples from the front yard, back yard, gardens, and/or play areas at your property. Five boreholes were made in the front and back yards at your property, and samples were taken from four different depths (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches). Samples from the same depth interval from each yard were mixed together to get a representative sample for that depth in each yard at your property.

Soil samples were analyzed for lead using a field laboratory procedure. In addition to sampling for lead as discussed above, EPA also collected samples to evaluate the presence of other chemicals in the soils at your property. Three samples from your property were sent to an EPA-approved laboratory for additional analysis. EPA is still evaluating those sample results and will contact you about them shortly.

EPA has developed screening levels for lead in soil which help us determine if a property should be further studied. Analytical results of soil samples from residential yards which show more than 400 parts per million (ppm) of lead may require some of the soil to be removed. One part per million is similar to four drops of ink in a 55-gallon barrel of water.

While EPA is completing those studies and developing a final cleanup plan, EPA will consider whether immediate cleanups on the most contaminated properties are required. During this time period, EPA will be evaluating whether immediate interim cleanup actions are required. As soon as we have developed a final cleanup plan, we will present it to you and the other East Chicago residents at public information sessions within the community. We hope to be able to present the final cleanup plan to you by early 2012, at the latest, though we will be conducting other public information sessions prior to that.

Included in this mailing is a guide for protecting your children and yourself from lead-contaminated soil. We encourage you and your family to follow the recommendations until a final cleanup takes place.

If you have any questions about this letter or the sampling results, I urge you to call me toll free at 1-800-621-8431 ext. 38983 or email me at berkoff.michael@epa.gov.

Sincerely,



REGION5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

April 29, 2010

City of East Chicago Schools 210 E Columbus Dr East Chicago, IN 46312

Subject: Soil sampling results for 4801-09 Melville Ave

To whom it may concern:

In December 2009, U.S. Environmental Protection Agency (EPA) collected samples from many properties in your neighborhood in East Chicago, as part of an investigation of lead contamination in the area and the USS Lead Superfund Site. This letter contains the laboratory results for the soil collected from your property at 4801-09 Melville Ave.

Soil samples from your yard contained the following concentrations of lead:

Location	Sample depth	Lead concentration (ppm)*
Quadrant A	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Quadrant B	0-6 inches	124.59
	6 -12 inches	111.34
	12 – 18 inches	110.89
	18 – 24 inches	120.75
Quadrant C	0-6 inches	171.81
	6 -12 inches	301.99 (302)**
	12 – 18 inches	227.5
	18 – 24 inches	59.59
Quadrant D	0-6 inches	166.89
	6-12 inches	250.44 (191)
	12-18 inches	103.28
	18-24 inches	148.92

<sup>\*</sup> ppm: parts per million

<sup>\*\*</sup> Additional lead analyses, conducted at a USEPA-approved laboratory, are shown in parentheses. N/A – Not Applicable

EPA collected a total of 12 samples from areas of your property. The property was divided into four quadrants in which five boreholes were made, and samples were taken from four different depths (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches). Samples from the same depth interval from each yard were mixed together to get a representative sample for that depth in each quadrant at your property. EPA also collected a shallow soil sample from the downspout discharges or drip lines where water flows off the roof and lands on the soil.

Soil samples were analyzed for lead using a field laboratory procedure. In addition to sampling for lead as discussed above, EPA also collected samples to evaluate the presence of other chemicals in the soils at your property. Two samples from your property were sent to an EPA-approved laboratory for additional analysis. EPA is still evaluating those sample results and will contact you about them shortly.

EPA has developed screening levels for lead in soil which help us determine if a property should be further studied. Analytical results of soil samples from residential yards which show more than 400 parts per million (ppm) of lead may require some of the soil to be removed. One part per million is similar to four drops of ink in a 55-gallon barrel of water. None of the samples from your property exceeded 400ppm.

While EPA is completing those studies and developing a final cleanup plan, EPA will consider whether immediate cleanups on the most contaminated properties are required. During this time period, EPA will be evaluating whether immediate interim cleanup actions are required. As soon as we have developed a final cleanup plan, we will present it to you and the other East Chicago residents at public information sessions within the community. We hope to be able to present the final cleanup plan to you by early 2012, at the latest, though we will be conducting other public information sessions prior to that.

Included in this mailing is a guide for protecting your children and yourself from lead-contaminated soil. We encourage you and your family to follow the recommendations until a final cleanup takes place.

If you have any questions about this letter or the sampling results, I urge you to call me toll free at 1-800-621-8431 ext. 38983 or email me at berkoff.michael@epa.gov.

Sincerely,



## REGION5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

April 29, 2010

City of East Chicago, Board of Public Works 4525 Indianapolis Blvd East Chicago, IN 46312

Subject: Soil sampling results for 4841 Melville Ave

To whom it may concern:

In December 2009, U.S. Environmental Protection Agency (EPA) collected samples from many properties in your neighborhood in East Chicago, as part of an investigation of lead contamination in the area and the USS Lead Superfund Site. This letter contains the laboratory results for the soil collected from your property at 4841 Melville Ave.

Soil samples from your yard contained the following concentrations of lead:

Location	Sample depth	Lead concentration (ppm)*
Front yard	0-6 inches	323.74 (271)**
	6 -12 inches	342.28
	12 – 18 inches	160.21 (133)
	18 – 24 inches	175.07
Back Garden	0-6 inches	412.1
	6 -12 inches	268.5
	12 – 18 inches	153.41
	18 – 24 inches	128.03
Drip Line	0-6 inches	N/A
Front Garden	0-6 inches	124.92
	6 -12 inches	304.69
	12 – 18 inches	143 (86.5)
	18 – 24 inches	126.43
Play Area	0-6 inches	N/A
	6-12 inches	N/A
	12-18 inches	N/A
	18-24 inches	N/A

<sup>\*</sup> ppm: parts per million

<sup>\*\*</sup> Additional lead analyses, conducted at an EPA-approved laboratory, are shown in parentheses. N/A – Not Applicable

EPA collected a total of 12 samples from the front yard, back yard, gardens, and/or play areas at your property. Five boreholes were made in the front and back yards at your property, and samples were taken from four different depths (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches). Samples from the same depth interval from each yard were mixed together to get a representative sample for that depth in each yard at your property.

Soil samples were analyzed for lead using a field laboratory procedure. In addition to sampling for lead as discussed above, EPA also collected samples to evaluate the presence of other chemicals in the soils at your property. Three samples from your property were sent to an EPA-approved laboratory for additional analysis. EPA is still evaluating those sample results and will contact you about them shortly.

EPA has developed screening levels for lead in soil which help us determine if a property should be further studied. Analytical results of soil samples from residential yards which show more than 400 parts per million (ppm) of lead may require some of the soil to be removed. One part per million is similar to four drops of ink in a 55-gallon barrel of water.

While EPA is completing those studies and developing a final cleanup plan, EPA will consider whether immediate cleanups on the most contaminated properties are required. During this time period, EPA will be evaluating whether immediate interim cleanup actions are required. As soon as we have developed a final cleanup plan, we will present it to you and the other East Chicago residents at public information sessions within the community. We hope to be able to present the final cleanup plan to you by early 2012, at the latest, though we will be conducting other public information sessions prior to that.

Included in this mailing is a guide for protecting your children and yourself from lead-contaminated soil. We encourage you and your family to follow the recommendations until a final cleanup takes place.

If you have any questions about this letter or the sampling results, I urge you to call me toll free at 1-800-621-8431 ext. 38983 or email me at berkoff.michael@epa.gov.

Sincerely,



# REGION5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

April 29, 2010

The City of East Chicago Housing Authority 4920 Larkspur St East Chicago, IN 46312

Subject: Soil sampling results for 4848 Aster Ave

To whom it may concern:

In December 2009, U.S. Environmental Protection Agency (EPA) collected samples from many properties in your neighborhood in East Chicago, as part of an investigation of lead contamination in the area and the USS Lead Superfund Site. This letter contains the laboratory results for the soil collected from your property at 4848 Aster Avenue.

Soil samples from your yard contained the following concentrations of lead:

Location	Sample depth	Lead concentration (ppm)*
Front yard	0-6 inches	276.27
	6 -12 inches	286.96
	12 – 18 inches	99.08
	18 – 24 inches	48.89
Back yard	0-6 inches	2397.84
	6 -12 inches	1148.15
	12 – 18 inches	189.95 (245)**
	18 – 24 inches	144.45
Drip Line	0-6 inches	460.46 (316)
Garden	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Play Area	0-6 inches	N/A
	6-12 inches	N/A
	12-18 inches	N/A
	18-24 inches	N/A

<sup>\*</sup> ppm: parts per million

<sup>\*\*</sup> Additional lead analyses, conducted at a USEPA-approved laboratory, are shown in parentheses. N/A – Not Applicable

EPA collected a total of nine samples from the front yard, back yard, downspout discharges, drip lines, gardens, and/or play areas at your property. Five boreholes were made in the front and back yards at your property, and samples were taken from four different depths (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches). Samples from the same depth interval from each yard were mixed together to get a representative sample for that depth in each yard at your property. EPA also collected a shallow soil sample from the downspout discharges or drip lines where water flows off the roof and lands on the soil.

Soil samples were analyzed for lead using a field laboratory procedure. In addition to sampling for lead as discussed above, EPA also collected samples to evaluate the presence of other chemicals in the soils at your property. Two samples from your property were sent to an EPA-approved laboratory for additional analysis. EPA is still evaluating those sample results and will contact you about them shortly.

EPA has developed screening levels for lead in soil which help us determine if a property should be further studied. Analytical results of soil samples from residential yards which show more than 400 parts per million (ppm) of lead may require some of the soil to be removed. One part per million is similar to four drops of ink in a 55-gallon barrel of water.

While EPA is completing those studies and developing a final cleanup plan, EPA will consider whether immediate cleanups on the most contaminated properties are required. During this time period, EPA will be evaluating whether immediate interim cleanup actions are required. As soon as we have developed a final cleanup plan, we will present it to you and the other East Chicago residents at public information sessions within the community. We hope to be able to present the final cleanup plan to you by early 2012, at the latest, though we will be conducting other public information sessions prior to that.

Included in this mailing is a guide for protecting your children and yourself from lead-contaminated soil. We encourage you and your family to follow the recommendations until a final cleanup takes place.

If you have any questions about this letter or the sampling results, I urge you to call me toll free at 1-800-621-8431 ext. 38983 or email me at berkoff.michael@epa.gov.

Sincerely,



## REGION5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

April 29, 2010

The City of East Chicago Housing Authority 4920 Larkspur St East Chicago, IN 46312

Subject: Soil sampling results for 4849 Gladiola Ave

To whom it may concern:

In December 2009, U.S. Environmental Protection Agency (EPA) collected samples from many properties in your neighborhood in East Chicago, as part of an investigation of lead contamination in the area and the USS Lead Superfund Site. This letter contains the laboratory results for the soil collected from your property at 4849 Gladiola Avenue.

Soil samples from your yard contained the following concentrations of lead:

Location	Sample depth	Lead concentration (ppm)*
Front yard	0-6 inches	558.63
	6 -12 inches	1146.21
	12 – 18 inches	2121.87
	18 – 24 inches	1845.25
Back yard	0-6 inches	790.93 (543)**
	6 -12 inches	3774.19
	12 – 18 inches	2840.00
	18 – 24 inches	1838.68
Drip Line	0-6 inches	444.59
Garden	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Play Area	0-6 inches	N/A
	6-12 inches	N/A
	12-18 inches	N/A
	18-24 inches	N/A

<sup>\*</sup> ppm: parts per million

N/A – Not Applicable

<sup>\*\*</sup> Additional lead analyses, conducted at an EPA-approved laboratory, are shown in parentheses.

EPA collected a total of nine samples from the front yard, back yard, downspout discharges, drip lines, gardens, and/or play areas at your property. Five boreholes were made in the front and back yards at your property, and samples were taken from four different depths (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches). Samples from the same depth interval from each yard were mixed together to get a representative sample for that depth in each yard at your property. EPA also collected a shallow soil sample from the downspout discharges or drip lines where water flows off the roof and lands on the soil.

Soil samples were analyzed for lead using a field laboratory procedure. In addition to sampling for lead as discussed above, EPA also collected samples to evaluate the presence of other chemicals in the soils at your property. One sample from your property was sent to an EPA-approved laboratory for additional analysis. EPA is still evaluating those sample results and will contact you about them shortly.

EPA has developed screening levels for lead in soil which help us determine if a property should be further studied. Analytical results of soil samples from residential yards which show more than 400 parts per million (ppm) of lead may require some of the soil to be removed. One part per million is similar to four drops of ink in a 55-gallon barrel of water.

While EPA is completing those studies and developing a final cleanup plan, EPA will consider whether immediate cleanups on the most contaminated properties are required. During this time period, EPA will be evaluating whether immediate interim cleanup actions are required. As soon as we have developed a final cleanup plan, we will present it to you and the other East Chicago residents at public information sessions within the community. We hope to be able to present the final cleanup plan to you by early 2012, at the latest, though we will be conducting other public information sessions prior to that.

Included in this mailing is a guide for protecting your children and yourself from lead-contaminated soil. We encourage you and your family to follow the recommendations until a final cleanup takes place.

If you have any questions about this letter or the sampling results, I urge you to call me toll free at 1-800-621-8431 ext. 38983 or email me at berkoff.michael@epa.gov.

Sincerely,



## REGION5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

April 29,

2010

City Of East Chicago 4525 Indianapolis Blvd East Chicago, IN 46312

Subject: Soil sampling results for 4855 Kennedy Ave

#### To whom it may concern:

In December 2009, U.S. Environmental Protection Agency (EPA) collected samples from many properties in your neighborhood in East Chicago, as part of an investigation of lead contamination in the area and the USS Lead Superfund Site. This letter contains the laboratory results for the soil collected from your property at 4855 Kennedy Avenue.

Soil samples from your yard contained the following concentrations of lead:

Location	Sample depth	Lead concentration (ppm)*
Front yard	0-6 inches	295.47 (386)**
	6 -12 inches	196.74
	12 – 18 inches	228.15
	18 – 24 inches	133.33
Back yard	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Drip Line	0-6 inches	N/A
Garden	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Play Area	0-6 inches	N/A
	6-12 inches	N/A
	12-18 inches	N/A
	18-24 inches	N/A

<sup>\*</sup> ppm: parts per million

<sup>\*\*</sup> Additional lead analyses, conducted at an EPA-approved laboratory, are shown in parentheses. N/A – Not Applicable

EPA collected a total of four samples from the front yard at your property. Five boreholes were made in the front yard at your property, and samples were taken from four different depths (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches). Samples from the same depth interval were mixed together to get a representative sample for that depth at your property.

Soil samples were analyzed for lead using a field laboratory procedure. In addition to sampling for lead as discussed above, EPA also collected samples to evaluate the presence of other chemicals in the soils at your property. One sample from your property was sent to an EPA-approved laboratory for additional analysis. EPA is still evaluating those sample results and will contact you about them shortly.

EPA has developed screening levels for lead in soil which help us determine if a property should be further studied. Analytical results of soil samples from residential yards which show more than 400 parts per million (ppm) of lead may require some of the soil to be removed. One part per million is similar to four drops of ink in a 55-gallon barrel of water. None of the samples from your property exceeded 400 ppm.

While EPA is completing those studies and developing a final cleanup plan, EPA will consider whether immediate cleanups on the most contaminated properties are required. During this time period, EPA will be evaluating whether immediate interim cleanup actions are required. As soon as we have developed a final cleanup plan, we will present it to you and the other East Chicago residents at public information sessions within the community. We hope to be able to present the final cleanup plan to you by early 2012, at the latest, though we will be conducting other public information sessions prior to that.

Included in this mailing is a guide for protecting your children and yourself from lead-contaminated soil. We encourage you and your family to follow the recommendations until a final cleanup takes place.

If you have any questions about this letter or the sampling results, I urge you to call me toll free at 1-800-621-8431 ext. 38983 or email me at berkoff.michael@epa.gov.

Sincerely,



## REGION5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

April 29, 2010

City of East Chicago Board of Public Works 4525 Indianapolis Blvd East Chicago, IN 46312

Subject: Soil sampling results for 4925 Alexander Ave

#### To whom it may concern:

In December 2009, U.S. Environmental Protection Agency (EPA) collected samples from many properties in your neighborhood in East Chicago, as part of an investigation of lead contamination in the area and the USS Lead Superfund Site. This letter contains the laboratory results for the soil collected from your property at 4925 Alexander Ave.

Soil samples from your yard contained the following concentrations of lead:

Location	Sample depth	Lead concentration (ppm)*
Front yard	0-6 inches	169.46
	6 -12 inches	216.64
	12 – 18 inches	93.37
	18 – 24 inches	400.06
Back yard	0-6 inches	226.01
	6 -12 inches	269.77
	12 – 18 inches	185.01 (253)**
	18 – 24 inches	170.67
Drip Line	0-6 inches	N/A
Garden	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Play Area	0-6 inches	N/A
	6-12 inches	N/A
	12-18 inches	N/A
	18-24 inches	N/A

<sup>\*</sup> ppm: parts per million

N/A - Not Applicable

<sup>\*\*</sup> Additional lead analyses, conducted at an EPA-approved laboratory, are shown in parentheses.

EPA collected a total of eight samples from the front yard, downspout discharges, drip lines, gardens, and/or play areas at your property. Five boreholes were made in the front and back yards at your property, and samples were taken from four different depths (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches). Samples from the same depth interval from each yard were mixed together to get a representative sample for that depth in each yard at your property. EPA also collected a shallow soil sample from the downspout discharges or drip lines where water flows off the roof and lands on the soil.

Soil samples were analyzed for lead using a field laboratory procedure. In addition to sampling for lead as discussed above, EPA also collected samples to evaluate the presence of other chemicals in the soils at your property. One sample from your property was sent to an EPA-approved laboratory for additional analysis. EPA is still evaluating those sample results and will contact you about them shortly.

EPA has developed screening levels for lead in soil which help us determine if a property should be further studied. Analytical results of soil samples from residential yards which show more than 400 parts per million (ppm) of lead may require some of the soil to be removed. One part per million is similar to four drops of ink in a 55-gallon barrel of water.

While EPA is completing those studies and developing a final cleanup plan, EPA will consider whether immediate cleanups on the most contaminated properties are required. During this time period, EPA will be evaluating whether immediate interim cleanup actions are required. As soon as we have developed a final cleanup plan, we will present it to you and the other East Chicago residents at public information sessions within the community. We hope to be able to present the final cleanup plan to you by early 2012, at the latest, though we will be conducting other public information sessions prior to that.

Included in this mailing is a guide for protecting your children and yourself from lead-contaminated soil. We encourage you and your family to follow the recommendations until a final cleanup takes place.

If you have any questions about this letter or the sampling results, I urge you to call me toll free at 1-800-621-8431 ext. 38983 or email me at berkoff.michael@epa.gov.

Sincerely,



# REGION5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

April 29, 2010

The City of East Chicago Housing Authority 4920 Larkspur St East Chicago, IN 46312

Subject: Soil sampling results for 4928 Aster Ave

To whom it may concern:

In December 2009, U.S. Environmental Protection Agency (EPA) collected samples from many properties in your neighborhood in East Chicago, as part of an investigation of lead contamination in the area and the USS Lead Superfund Site. This letter contains the laboratory results for the soil collected from your property at 4928 Aster Ave.

Soil samples from your yard contained the following concentrations of lead:

Location	Sample depth	Lead concentration (ppm)*
Front yard	0-6 inches	418.83 (333)**
	6 -12 inches	2,392.36 (3,160)**
	12 – 18 inches	2,522.75
	18 – 24 inches	1,604.29
Back yard	0-6 inches	443.5
	6 -12 inches	5,911.12 (15,500)**
	12 – 18 inches	9,176.69 (12,300)**
	18 – 24 inches	N/A
Drip Line	0-6 inches	601.47 (353)**
Garden	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Play Area	0-6 inches	N/A
	6-12 inches	N/A
	12-18 inches	N/A
	18-24 inches	N/A

<sup>\*</sup> ppm: parts per million

N/A – Not Applicable

<sup>\*\*</sup> Additional lead analyses, conducted at an EPA-approved laboratory, are shown in parentheses.

EPA collected a total of eight samples from the front yard, downspout discharges, drip lines, gardens, and/or play areas at your property. Five boreholes were made in the front and back yards at your property, and samples were taken from four different depths (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches). Samples from the same depth interval from each yard were mixed together to get a representative sample for that depth in each yard at your property. EPA also collected a shallow soil sample from the downspout discharges or drip lines where water flows off the roof and lands on the soil.

Soil samples were analyzed for lead using a field laboratory procedure. In addition to sampling for lead as discussed above, EPA also collected samples to evaluate the presence of other chemicals in the soils at your property. Five samples from your property were sent to an EPA-approved laboratory for additional analysis. EPA is still evaluating those sample results and will contact you about them shortly.

EPA has developed screening levels for lead in soil which help us determine if a property should be further studied. Analytical results of soil samples from residential yards which show more than 400 parts per million (ppm) of lead may require some of the soil to be removed. One part per million is similar to four drops of ink in a 55-gallon barrel of water.

While EPA is completing those studies and developing a final cleanup plan, EPA will consider whether immediate cleanups on the most contaminated properties are required. During this time period, EPA will be evaluating whether immediate interim cleanup actions are required. As soon as we have developed a final cleanup plan, we will present it to you and the other East Chicago residents at public information sessions within the community. We hope to be able to present the final cleanup plan to you by early 2012, at the latest, though we will be conducting other public information sessions prior to that.

Included in this mailing is a guide for protecting your children and yourself from lead-contaminated soil. We encourage you and your family to follow the recommendations until a final cleanup takes place.

If you have any questions about this letter or the sampling results, I urge you to call me toll free at 1-800-621-8431 ext. 38983 or email me at berkoff.michael@epa.gov.

Sincerely,



REGION5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

April 29, 2010

City of East Chicago Board of Public Works 4525 Indianapolis Blvd East Chicago, IN 46312

Subject: Soil sampling results for 5018 Alexander Ave

# To whom it may concern:

In December 2009, U.S. Environmental Protection Agency (EPA) collected samples from many properties in your neighborhood in East Chicago, as part of an investigation of lead contamination in the area and the USS Lead Superfund Site. This letter contains the laboratory results for the soil collected from your property at 5018 Alexander Ave.

Soil samples from your yard contained the following concentrations of lead:

Location	Sample depth	Lead concentration (ppm)*
Front yard	0-6 inches	744.74 (1380)**
	6 -12 inches	441.92
	12 – 18 inches	500.48
	18 – 24 inches	38.39
Back yard	0-6 inches	472.4 (299)
	6 -12 inches	270.01
	12 – 18 inches	147.26
	18 – 24 inches	201.44
Drip Line	0-6 inches	N/A
Garden	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Play Area	0-6 inches	N/A
	6-12 inches	N/A
	12-18 inches	N/A
	18-24 inches	N/A

<sup>\*</sup> ppm: parts per million

N/A - Not Applicable

<sup>\*\*</sup> Additional lead analyses, conducted at an EPA-approved laboratory, are shown in parentheses.

EPA collected a total of eight samples from the front yard, downspout discharges, drip lines, gardens, and/or play areas at your property. Five boreholes were made in the front and back yards at your property, and samples were taken from four different depths (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches). Samples from the same depth interval from each yard were mixed together to get a representative sample for that depth in each yard at your property. EPA also collected a shallow soil sample from the downspout discharges or drip lines where water flows off the roof and lands on the soil.

Soil samples were analyzed for lead using a field laboratory procedure. In addition to sampling for lead as discussed above, EPA also collected samples to evaluate the presence of other chemicals in the soils at your property. Two samples from your property were sent to an EPA-approved laboratory for additional analysis. EPA is still evaluating those sample results and will contact you about them shortly.

EPA has developed screening levels for lead in soil which help us determine if a property should be further studied. Analytical results of soil samples from residential yards which show more than 400 parts per million (ppm) of lead may require some of the soil to be removed. One part per million is similar to four drops of ink in a 55-gallon barrel of water.

While EPA is completing those studies and developing a final cleanup plan, EPA will consider whether immediate cleanups on the most contaminated properties are required. During this time period, EPA will be evaluating whether immediate interim cleanup actions are required. As soon as we have developed a final cleanup plan, we will present it to you and the other East Chicago residents at public information sessions within the community. We hope to be able to present the final cleanup plan to you by early 2012, at the latest, though we will be conducting other public information sessions prior to that.

Included in this mailing is a guide for protecting your children and yourself from lead-contaminated soil. We encourage you and your family to follow the recommendations until a final cleanup takes place.

If you have any questions about this letter or the sampling results, I urge you to call me toll free at 1-800-621-8431 ext. 38983 or email me at berkoff.michael@epa.gov.

Sincerely,



## REGION5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

April 29, 2010

The City of East Chicago Housing Authority 4920 Larkspur St East Chicago, IN 46312

Subject: Soil sampling results for 5100 Aster Ave

To whom it may concern:

In December 2009, U.S. Environmental Protection Agency (EPA) collected samples from many properties in your neighborhood in East Chicago, as part of an investigation of lead contamination in the area and the USS Lead Superfund Site. This letter contains the laboratory results for the soil collected from your property at 5100 Aster Ave.

Soil samples from your yard contained the following concentrations of lead:

Location	Sample depth	Lead concentration (ppm)*
Front yard	0-6 inches	1497.82
	6 -12 inches	9405.79 (13,000)**
	12 – 18 inches	8938.09 (16,700)
	18 – 24 inches	N/A
Back yard	0-6 inches	1094.30
	6 -12 inches	925.85
	12 – 18 inches	381.71
	18 – 24 inches	143.16
Drip Line	0-6 inches	930.68
Garden	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Play Area	0-6 inches	N/A
	6-12 inches	N/A
	12-18 inches	N/A
	18-24 inches	N/A

<sup>\*</sup> ppm: parts per million

N/A - Not Applicable

<sup>\*\*</sup> Additional lead analyses, conducted at an EPA-approved laboratory, are shown in parentheses.

EPA collected a total of eight samples from the front yard, downspout discharges, drip lines, gardens, and/or play areas at your property. Five boreholes were made in the front and back yards at your property, and samples were taken from four different depths (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches). Samples from the same depth interval from each yard were mixed together to get a representative sample for that depth in each yard at your property. EPA also collected a shallow soil sample from the downspout discharges or drip lines where water flows off the roof and lands on the soil.

Soil samples were analyzed for lead using a field laboratory procedure. In addition to sampling for lead as discussed above, EPA also collected samples to evaluate the presence of other chemicals in the soils at your property. Two samples from your property were sent to an EPA-approved laboratory for additional analysis. EPA is still evaluating those sample results and will contact you about them shortly.

EPA has developed screening levels for lead in soil which help us determine if a property should be further studied. Analytical results of soil samples from residential yards which show more than 400 parts per million (ppm) of lead may require some of the soil to be removed. One part per million is similar to four drops of ink in a 55-gallon barrel of water.

While EPA is completing those studies and developing a final cleanup plan, EPA will consider whether immediate cleanups on the most contaminated properties are required. During this time period, EPA will be evaluating whether immediate interim cleanup actions are required. As soon as we have developed a final cleanup plan, we will present it to you and the other East Chicago residents at public information sessions within the community. We hope to be able to present the final cleanup plan to you by early 2012, at the latest, though we will be conducting other public information sessions prior to that.

Included in this mailing is a guide for protecting your children and yourself from lead-contaminated soil. We encourage you and your family to follow the recommendations until a final cleanup takes place.

If you have any questions about this letter or the sampling results, I urge you to call me toll free at 1-800-621-8431 ext. 38983 or email me at berkoff.michael@epa.gov.

Sincerely,



## REGION5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

April 29, 2010

The City of East Chicago Housing Authority 4920 Larkspur St East Chicago, IN 46312

Subject: Soil sampling results for 5101 Gladiola Ave

To whom it may concern:

In December 2009, U.S. Environmental Protection Agency (EPA) collected samples from many properties in your neighborhood in East Chicago, as part of an investigation of lead contamination in the area and the USS Lead Superfund Site. This letter contains the laboratory results for the soil collected from your property at 5101 Gladiola Ave.

Soil samples from your yard contained the following concentrations of lead:

Location	Sample depth	Lead concentration (ppm)*
Front yard	0-6 inches	914.24 (853)**
	6 -12 inches	3922.17 (6220)
	12 – 18 inches	5870.93 (5830)
	18 – 24 inches	5084.68 (6150)
Back yard	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Drip Line	0-6 inches	838.92
Garden	0-6 inches	N/A
	6 -12 inches	N/A
	12 – 18 inches	N/A
	18 – 24 inches	N/A
Play Area	0-6 inches	N/A
	6-12 inches	N/A
	12-18 inches	N/A
	18-24 inches	N/A

<sup>\*</sup> ppm: parts per million

N/A – Not Applicable

<sup>\*\*</sup> Additional lead analyses, conducted at an EPA-approved laboratory, are shown in parentheses.

EPA collected a total of five samples from the front yard, downspout discharges, drip lines, gardens, and/or play areas at your property. Five boreholes were made in the front and back yards at your property, and samples were taken from four different depths (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches). Samples from the same depth interval from each yard were mixed together to get a representative sample for that depth in each yard at your property. EPA also collected a shallow soil sample from the downspout discharges or drip lines where water flows off the roof and lands on the soil.

Soil samples were analyzed for lead using a field laboratory procedure. In addition to sampling for lead as discussed above, EPA also collected samples to evaluate the presence of other chemicals in the soils at your property. Four samples from your property were sent to an EPA-approved laboratory for additional analysis. EPA is still evaluating those sample results and will contact you about them shortly.

EPA has developed screening levels for lead in soil which help us determine if a property should be further studied. Analytical results of soil samples from residential yards which show more than 400 parts per million (ppm) of lead may require some of the soil to be removed. One part per million is similar to four drops of ink in a 55-gallon barrel of water.

While EPA is completing those studies and developing a final cleanup plan, EPA will consider whether immediate cleanups on the most contaminated properties are required. During this time period, EPA will be evaluating whether immediate interim cleanup actions are required. As soon as we have developed a final cleanup plan, we will present it to you and the other East Chicago residents at public information sessions within the community. We hope to be able to present the final cleanup plan to you by early 2012, at the latest, though we will be conducting other public information sessions prior to that.

Included in this mailing is a guide for protecting your children and yourself from lead-contaminated soil. We encourage you and your family to follow the recommendations until a final cleanup takes place.

If you have any questions about this letter or the sampling results, I urge you to call me toll free at 1-800-621-8431 ext. 38983 or email me at berkoff.michael@epa.gov.

Sincerely,